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THE COLL	Segama A	i ca	·					g		ge <u>1</u>
Ser. No.	Sample No.	Coordi N	nates E	Topographic Map Sheet	Name of Stream	Weight (g)	0rder	Width (m)	Flow *1	Size
1 2 3 4 5 6 7 8 9	P074 P069 P068 Y060 Y058 Y059 Y057 Y061 C053 C054	1453.70 1456.55 1453.00 1456.65 1454.15 1454.20 1456.20 1457.75 1459.35 1460.20	4705. 45 4710. 25 4714. 80 4717. 45 4719. 60 4719. 85 4720. 00 4721. 35 4724. 00 4724. 30	Kuamut	S. Laburawan S. Anbial S. Anbial S. Kuamut S. Malog S. Malog S. Malog S. Kuamut S. Sangitan S. Kuamut	< 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	4 3 4 3 4 3 4 3	4.0 2.0 6.0 4.0 5.0 7.0 6.0 5.0 10.0	4 4 3 3 3 3 2 2	1 1 2 1 3 1 1
11 12 13 14 15 16 17 18 19 20	C055 Y055 C052 C048 Y056 Y051 Y050 C051 C050 Y052	1459.80 1462.70 1453.85 1453.80 1461.35 1466.50 1470.85 1453.25 1453.15	4725. 20 4725. 35 4725. 55 4726. 00 4726. 40 4727. 15 4727. 55 4728. 50 4728. 55 4729. 10	Kuamut Kuamut Kuamut Kuamut Kuamut Kuamut Kuamut Kuamut Kuamut	S. Kuamut S. Kuamut S. Sangitan S. Sangitan S. Buyun S. Minilog S. Kuamut S. Sangitan S. Sangitan S. Minilog	4 < 1 14 26 < 1 < 1 < 1 24 21	3 3 4 3 4 3 3 4 2	5.0 4.0 5.0 5.0 4.0 10.0 8.0 3.0 5.0 8.0	2 2 2 3 1 1 2 2	1 1 1 3 4 4 1 1 2
21 22 23 24 25 26 27 28 29 30	Y053 P066 C049 P067 G052 G051 G050 Y049 Y048 G048	1465.30 1473.55 1452.70 1475.45 1456.75 1457.65 1457.70 1470.60 1470.70 1460.80	4729.30 4730.35 4730.40 4733.55 4735.50 4736.00 4736.15 4736.25 4736.45	Kuamut Kuamut Kuamut Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua	S. Minilog S. Kuamut S. Sangitan S. Naping S. Malubuk	9 < 1 12 < 1 10 8 10 4 4 4	2 3 4 2 4 5 2 3 5 3	10.0 1.5 5.0 3.0 10.0 10.0 3.0 8.0 40.0 3.0	3 4 2 3 3 2 3 3 4	2 1 1 1 1 1 3 3
31 32 33 34 35 36 37 38 39 40	Y047 C047 G046 K042 G047 C045 C046 N075 N064 N066	1469. 15 1476. 70 1462. 80 1452. 40 1462. 80 1467. 70 1468. 05 1458. 80 1475. 35 1467. 55	4737.80 4737.50 4738.40 4738.60 4740.20 4740.35 4741.15 4746.05 4746.80	Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua	S. Malubuk S. Malua	< 1 21 5 4 75 2 6 5 6	2 5 5 2 3 5 4 3 3 4	5.0 15.0 10.0 4.0 6.0 10.0 5.0 10.0 20.0	3 2 4 3 4 2 2 3 2	3 1 1 1 1 1 3 2
41 42 43 44 45 46 47 48 49 50	K036 N065 G041 G042 G043 N062 N061 N060 N100 N071	1464. 10 1467. 60 1461. 05 1460. 85 1461. 10 1474. 35 1474. 50 1473. 25 1452. 20 1478. 50	4746.85 4746.95 4747.35 4747.60 4747.70 4750.25 4750.40 4750.70 4752.10 4755.40	Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua Sungai Malua	S. Malua S. Latangan	5 7 3 6 7 16 14 4 75 46	4 3 3 3 4 2 2 2 3 3	10.0 5.0 10.0 6.0 5.0 20.0 5.0 5.0 8.0 10.0	3 3 4 3 2 1 2 3 4	2 1 1 1 2 3 2 2 1

Area: Segama Area

Page 2

1.0										
Ser No		Coord N	linates E	Topographic Map Sheet	Name of Stream	Weigh (g)	t Order	Width (m)	Flow	Size
51	N070	1477.85	4756.70	Sungai Malua	S. Latangan	1,				
52		1453.50			S. Danum	13		5.0		3
53		1464.00				31	4	6.0	•	2
54		1466.65		1 0	S. Bilong	8	3	5.0	3	1
55		1464.90			S. Bilong	2	3	3.0		1
56	P026	1453.85			S. Bilong	25	4	6.0	3	1
57					S. Danum	5	4	12.0	4	1
	N080	1467.70			S. Klingkawang	5	3	8.0	3	2
58	Y028	1457.40			S. Segama	31	5	25.0	3	3
59	P021	1457.45			S. Tarangan	< 1	3	4.0	3	2
60	N055	1472.50	4767.45	Sungai Bole	S. Belang	< 1	3	12.0	2	3
61	G037	1472.90		1	S. Segama	< 1	2	4.0	3	1
62	G034	1460.30	4771.85		S. Bole	50	5	20.0	2	Î
63	J042	1470.90	4772.35	1 0	S. Bole Kechil	< 1	3	2.0	2	l î l
64	C041	1465.30	4773.85		S. Todto	7	2	5.0	2	1
65	C040	1465.15	4774.00	Sungai Bole	S. Bole	359	5	10.0	2	$\begin{bmatrix} 1 \\ 1 \end{bmatrix}$
66	C044	1470.55	4774.50	Sungai Bole	S. Bole	57	5	10.0		
67	G036	1454.90	4775.15	Sungai Bole	S. Bole	48	5		2	1
68	G035	1455.05	4775.20	Sungai Bole	S. Bole	46		5.0	2	1
69	P057	1469.70	4778.30	Sungai Bole	S. Longlata		2	3.0	3	1
70	P056	1470.00	4780.15	Sungai Bole	S. Lakanoy	75	$\begin{bmatrix} 3 \\ 3 \end{bmatrix}$	1.0	4	1
71	J038	1453.60	 			+		0.0	$\frac{3}{}$	2
72	J039		4783.40	Sungai Bole	S. Kawag	393	2	7.0	2	1
73		1453.45	4784.15	Sungai Bole	S. Kawag	12	3	7.0	2	1
	G030	1458.10	4784.25	Sungai Bole	S. Kawag	33	4	9.0	3	ī
74	K023	1458.15	4784.45	Sungai Bole	S. Kawag	21	3	8.0	3	î
75	K025	1460.95	4784.65	Sungai Bole	S. Kawag	48	4	15.0	3	3
76	P027	1478.10	4785.20	Sungai Bole	S. Koyah	4	3	2.5	2	2
77	Y039	1474.55	4785.85	Sungai Bole	S. Koyah	67	ĺ	4.0	2	2
78	G025	1462.60	4786.60	Sungai Bole	S. Kawag	287	3	5.0		
79	Y041	1479.25	4787.00	Sungai Bole	S. Koyah	19	1 .		4	1
80	K026	1463.30	4787.05	Sungai Bole	S. Kawag	8	4 4	3.0 15.0	$\begin{bmatrix} 3 \\ 3 \end{bmatrix}$	2 2
81	P010	1456.75	4789.85	Mansuli	S. Kawag	14	3	3.0	 	-+
82	G026	1459.75	4791.85	Mansuli	S. Gibong	62	3		2	1
83	K022	1464.60	4784.90	Mansuli	S. Segama	6 6		5.0	4	1
84	J033	1464.50		Mansuli	S. Dapalak	88	2	5.0	2	1
85	N019	1464.45	4799.40		S. Pongrakan		3	3.0	2	. 1
86	K011	1453.35		Mansuli	S. Taliwas	55	2	1.0	3	3
87	K010	1453.95		Mansuli		200	4	10.0	2	1
88	C031	1466.85		Mansuli		42	3	6.0	. 2	2
89	N067	1465.60			S. Merisuri	18	3	10.0	2	2
90	P004	1452.95	1	Mansuli Mansuli	S. Upak	87	2	8.0	1	3
					S. Sepagaya	4	3	5.0	3	1
91 92	C019 C017	1458.35 1461.85		Mansuli	S. Taliwas	127	4	10.0	4	2
93	K005			Mansuli	S. Taliwas	40	4	5.0	3	2
94		1454.00		Mansuli	S. Sepagaya	25	1	5.0	2	2
	P075	1440.20		Gunong Moritok	S. Pasogod	< 1	2	5.0	4	2
95	P076	1440.35		Gunong Moritok	S. Imbak	<1	5	10.0	4	í
96	P070	1449.60		Gunong Moritok	S. Laburawan	< î	4	7.0	4	1
97	P071	1448.95	4712.65	Gunong Moritok	S. Nagasan	\(\frac{1}{1}\)	3	6.0	3	
98	J056	1440.55			S. Imbak	$\frac{1}{2}$	4			2
99	G055	1430.45			S. Imbak	5		3.0		1
00	C057				S. Imbak	3	3 4	15.0	3	1
					ו THINGH	<u> </u>	4	10.0	2	1

Area: Segama Area

Ser. No.	Sample No.	Coordi N	nates E	Topographic Map Sheet	Name of Stream	Weight (g)	0rder	Width (m)	Flow	Size
101	K051	1437.70	4722.45	Gunong Moritok	S. lmbak	5	5	8.0	2	1
102	K052	1437.00	4724.65	Gunong Moritok	S. Imbak	3	4	5.0	4	1
103	C056	1450.90	4725.65	Gunong Moritok	S. Sangitan	3	4	5.0	2	1
104	K056	1441.60	4727.95	Gunong Moritok	S. Imbak	7	4	5.0	3	2
105	K050	1439.00	4738.85	Ulu Segama	S. Danum	7	3	6.0	2	2
106	K039	1451.40	4739.60	Ulu Segama	S. Malubuk	6	4	5.0	4	1
107	N083	1445.00	4740.45	Ulu Segama	S. Karangan	5	3	4.0	-3	1
108	N081	1446.00	4742.70	Ulu Segama	S. Karangan	2	3	10.0	3	3
109	N082	1445.90	4742.90	Ulu Segama	S. Danum	6	4	10.0	2	3
110	K049	1447.35	4743.35	Ulu Segama	S. Danum	4	3	7.0	3	. 2
111	N092	1443.90	4743.60	Ulu Segama	S. Danum	60	2	6.0	1	- 1
112	K047	1447.65	4747.30	Ulu Segama	S. Danum	5	2	10.0	3	1
113	K048	1447.40	4747.20	Ulu Segama	S. Danum	10	4	15.0	2	3
114	N096	1446.90	4753.15	Ulu Segama	S. Danum	8	2	10.0	3	1
115	Y063	1432.30	4746.10	Ulu Segama	S. Segama	25	4	7.0	4	1
116	Y064	1432.05	4746.10	Ulu Segama	S. Beestone	14	4	5.0	3	1
117	P053	1439.55	4749.00	Ulu Segana	S. Beatrice	10	3	4.0	3	2
118	P052	1439,60	4750.15	Ulu Segama	S. Beatrice	17	3	3.0	3	1
119	K045	1445.75	4751.45	Ulu Segama	S. Danum	6	3	6.0	3	2
120	K046	1446.00	4751.45	Ulu Segama	S. Danum	12	4	15.0	3	3
121	P051	1437.75	4751.50	Ulu Segama	S. Beatrice	7	4	5.0	4	1
122	P050	1437.45	4751.85	Ulu Segama	S. Segama	- 28	5	8.0	3	1
123	J048	1434.80	4752.10	Ulu Segama	S. Segama	67	5	6.0	2	1
124	J049	1434.65	4752.45	Ulu Segama	S. Surprise	58	4	4.0	2	1
125	Y046	1429.85	4752.85	Ulu Segama	S. Surprise	9	4	5.0	3	2
126	J053	1431.90	4753.70	Ulu Segama	S. Surprise	102	3	4.0	2	. 1
127	P048	1440.00	4755.80	Ulu Segama	S. Segama	14	3	4.0	4	-2
128	J047	1438.65	4757.50	Ulu Segama	S. Segama	73	2	3.0	2	1
129	J046	1435.75	4758.70	Ulu Segama	S. Segama	46	5	10.0	2	1
130	J045	1434.70	4761.15	Sungai Ulu Bole	S. Segama	61	5	10.0	2	- 1
131	J044	1434.60	4761.35	Sungai Ulu Bole	S. Rashida	137	Ą	3.0	2	1
132	K033	1443.75	4763.00	Sungai Ulu Bole	S. Segama	10	. 3	8.0	3	3
133	K032	1443.70	4763.25	Sungai Ulu Bole	S. Segama	60	5	7.0	4	3
134	P028	1450.05	4753.50	Sungai Ulu Bole	S. Purut	7	3	5.0	4	1
135	Y070	1437.00	4764.40	Sungai Ulu Bole	S. Segama	51	5	30.0	4	2
136	K034	1440.30	4764.50	Sungai Ulu Bole	S. Segama	4	3	7.0	3	1
137	P043	1437.15	4764.85	Sungai Ulu Bole	S. Beruang	30	4	6.0	4	2
138	P044	1436.45	4766.10	Sungai Ulu Bole	S. Pasir	11	4	5.0	4	1
139	P029	1448.95	4766.25	Sungai Ulu Bole	S. Segama	33	5	25.0	4	2
140	P037	1431.35	4768.15	Sungai Ulu Bole	S. Begonia	13	3	6.0	4	2
141	P036	1431.45	4768.50	Sungai Ulu Bole	S. Mabok	12	3	5.0	3	2
142	Y045	1447.35	4772.70	Sungai Ulu Bole	S. Bole	25	3	4.0	2	2
143	N021	1440.65	4773.95	Sungai Ulu Bole	S. Ulu Bole	38	3	5.0	3	2
144	K029	1440.70	4774.20	Sungai Ulu Bole	S. Ulu Bole	67	2	3.0	3	3
145	J028	1440.70	4774.85	Sungai Ulu Bole	S. Ulu Bole	30	2	3.0	2	1
146	G010	1451.40	4774.95	Sungai Ulu Bole	S. Bole	5	3	4.0	3	1
147	G005	1449.85	4776.30	Sungai Ulu Bole	S. Bole	95	5	9.0	2	1
148	K020	1443.90	4776.70	Sungai Ulu Bole	S. Ulu Bole	55	3	8.0	3	1
149	K019	1444.00	4776.85	Sungai Ulu Bole	S. Ulu Bole	88	4	7.0	3	1
150	Y022	1445.45	4777.20	Sungai Ulu Bole	S. Juak	84	4	8.0	2	2

Area: Seg	ama Area
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Page	4
Labe	-1

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	Ser. No.	Sample No.	Coordi N	nates I E	Topographic	Name of	Weight	Order	Width	Flow	Size
١	110.	no.	įγ	Е	Map Sheet	Stream	(g)		(m)	*1	*2
	151	K027	1435.90	4781.90	Sungai Ulu Bole	S. Juak	80	3	10.0	 	
ı	152	J015	1443.05	4782.70	Sungai Ulu Bole	S. Juak	161	4	10.0	4	
	153	J022	1437.30	4783.90	Sungai Ulu Bole	S. Juak	94	4	7.0	2	1
	154	J023	1437.20	4784.15	Sungai Ulu Bole	S. Sinsulog	8	2	5.0	2	
	155	K018	1441.50	4787.50	Sungai Ulu Bole	S. Juak	9	4	4.0 6.0	2 2	1 1
i	156	K017	1441.55	4787.60	Sungai Ulu Bole	S. Juak	149	3	6.0	2	3 3
	157	C023	1442.50	4790.45	Silam	S. Lunkasa	40	3	3.0	2	
Ì	158	G017	1441.80	4791.10	Silam	S. Lunkasa	99	2	3.0	2	1
-	159	G004	1437.05	4793.30	Silam	S. Takun	<1	3	4.0	3	$\begin{bmatrix} 1 \\ 1 \end{bmatrix}$
	160	G003	1436.90	4793.50	Silam	S. Takun	4	3	5.0	3	$\begin{vmatrix} 1 \\ 1 \end{vmatrix}$
. [161	G016	1432.45	4794.55	Silam	S. Takun	1	3	5.0		
1	162	Y014	1445.75	4798.30	Silam	S. Diwata	206	3	5.0	3	1
	163	P002	1434.00	4798.40	Silam	S. Dadong Kechil	1	2	$\begin{array}{c} 6.0 \\ 1.5 \end{array}$	3	2
İ	164	G002	1437.00	4798.55	Silam	S. Sabahan	4	4	5. 0	3:	1
	165	K009	1450.75	4799.10	Silam	S. Taliwas	91	3	5.0	2	$\begin{array}{c c} 1 \\ 1 \end{array}$
1	166	C010	1439.25	4800.95	Silam	S. Divatu	19	3	20.0		4
	167	Y009	1443.85	4801.20	Silam	S. Diwata	149	3	12.0	2 3	2
	168	P001	1435.15	4801.25	Silam	S. Dadong Kechil	2	2	10.0	2	4
	169	G001	1436.65	4801.55	Silam	S. Sabahan	4	4	5.0	2	1
L	170	Y003	1443.70	4802.25	Silam	S. Diwata	7	2	4.0	3	1
	171	Y001	1440.80	4804.90	Si lam	S. Diwata	60	3	10.0	- 2	
	172	K004	1444.41	4807.50	Silam		7	2	$10.0 \\ 2.0$	2 3	2
	173	J006	1445.50	4808.25	Silam		2	2	4.0	2	1
	174	J001:	1447.70	4810.25	Silam		9		2.0	2 2	1
	175	C003	1449.25	4810.60	Silam	<u></u>	5	2 2	2.0	2	1

Results of qualitative mineral examination of pan concentrates in the Segama area

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Ser No	Sample No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenite	Leucoxene	Rutile	Brookite	Anatase	Cassiterite	Scheelite	Pyrite	Goethite	Chalcopyrite	Bornite	Olivine	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Monazîte	Quartz	Plagioclase	Clastics	Calcite
1 2 3 4 5 6 7 8 9	P074 P069 P068 Y060 Y058 Y059 Y057 Y061 C053 C054	Tr	1 Tr 1 2 3 9 5	3 Tr 1 4 1 3 12 19			Tr Tr 4 10 6 1 23	Tr Tr Tr Tr	Tr Tr Tr Tr	Tr				3	Tr Tr 1 Tr Tr Tr Tr				Tr Tr Tr Tr	Tr 1 Tr 9	Tr	Tr Tr	2	Tr	Tr Tr Tr Tr	Tr Tr 4 10 1 Tr 15	Tr Tr	85 00 00 92 82 73 84 78 16 53	10 Tr Tr 1 Tr 3 Tr 9		Tr
11 12 13 14 15 16 17 18 19 20	C055 Y055 C052 C048 Y056 Y051 Y050 C051 C050 Y052		12 2 24 28 13 11 2 18 33 8	37 Tr 24 3 1 1 Tr 4 50	Tr		25 Tr 23 13 5 15 Tr 34 29 22	Tr Tr Tr Tr Tr Tr	Tr Tr			Tr		Tr Tr	Tr Tr 3 4 Tr Tr			Tr	Tr Tr Tr Tr Tr Tr	Tr 3 Tr Tr Tr Tr 6	Tr Tr Tr	Tr Tr Tr	Tr Tr Tr		Tr Tr Tr Tr Tr	I Tr Tr	Tr	20 98 20 53 77 71 93 34 17 20	3 Tr 4 Tr 1 5 4 Tr		Tr Tr
21 22 23 24 25 26 27 28 29 30	Y053 P066 C049 P067 G052 G051 G050 Y049 Y048 G048		20 12 22 31 19 15 19 28	15 4 4 5 5 50 11 43	Tr		34 33 42 32 25 17 15 21	Tr 3 Tr Tr Tr	Tr Tr Tr Tr					Tr	Tr Tr 2 Tr 2 1 3 Tr Tr			Tr	3 5 11 Tr 2	21 12 8 6 Tr 7	Tr	Tr Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr Tr		Tr Tr Tr 1 Tr	Tr Tr Tr Tr		29 48 13 Tr 8 14 24 15 42	1 Tr 10 5 4 6 2 2	49 97	
31 32 33 34 35 36 37 38 39 40	Y047 C047 G046 K042 G047 C045 C046 N075 N064 N066		7 11 38 19 15 25 25 13 21	7 15 12 37 36 14 6 18 11 33		10 Tr	5 23 44 35 21 28 7 23 17	Tr Tr Tr Tr Tr	Tr Tr Tr Tr					Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr 1 Tr 2				Tr 11 Tr 3 Tr 1 Tr	1 12 3 5 1 11 3 Tr 3	Tr 3 1 5 2 Tr 8	Tr Tr Tr Tr	Tr Tr 2 Tr 1 Tr		Tr Tr Tr Tr 1 Tr 1		Tr	80 20 1 2 4 4 46 8 40 22	5 Tr 1 13 12 Tr 13		
41 42 43 44 45 46 47 48 49 50	K036 N065 G041 G042 G043 N062 N061 N060 N100 N071		14 13 10 15 14 19 11 17 24 20	17 71 11 37 24 40 57 6 5	Tr	Tr	27 8 4 16 12 23 27 15 30 26	Tr Tr Tr Tr Tr	Tr Tr					Tr Tr Tr Tr Tr	1 Tr 1 2 2 Tr Tr Tr 1			Tr	3 Tr 2 1 2 Tr 1 1 Tr	4 Tr 3 2 1 2 Tr 1 39 Tr	Tr Tr Tr	Tr Tr Tr	Tr 1 Tr	Tr	Tr Tr Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr Tr	Tr	31 8 66 26 46 10 4 57 Tr 10	3 Tr 3 1 2 Tr 3 Tr Tr		

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Ser. No.	Sample No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenite	Leucoxene	Rutile	Brookite	Anatase	Cassiterite	Scheelite	Pyrite	Goethite	Chalcopyrite	Bornite	Olivine	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Monazite	Quartz	Plagioclase	Clastics	Calcite
51 52 53 54 55 56 57 58 59 60	N070 P025 P017 G044 G045 P026 N080 Y028 P021 N055	Tr	23 23 16 8 15 30 16 52 4 35	8 48 7 30 3 11 29		Tr	27 23 35 14 30 22 26 15 5	Tr	Tr Tr	Tr	Tr			Tr Tr Tr Tr	Tr Tr 1 Tr 3 Tr Tr				Tr 6 Tr 3 1 1 4	Tr 19 1 Tr 5 33 Tr Tr 4	Tr Tr Tr 1 Tr	Tr	Tr 6 Tr Tr Tr		Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr		8 12 Tr 66 16 4 37 1 69 47	Tr 3 Tr 4 1 6 6 Tr 13		
61 62 63 64 65 66 67 68 69 70	G037 G034 J042 C041 C040 C044 G036 G035 P057 P056		82 34 13 17 43 17 42 76 8 67	1 25 1 51 11 25 21 1 2			1 37 27 29 45 53 33 17 3 18	Tr 1 Tr Tr Tr						Tr	Tr Tr 1 Tr Tr Tr			Tr	Tr Tr Tr Tr Tr Tr 2	Tr Tr Tr Tr Tr Tr Tr	Tr 1 Tr 2 2 2 3	Tr	2 Tr 1 2 2 1 1	Tr	Tr Tr 1 Tr Tr	Tr Tr 8 1 Tr Tr Tr		16 Tr 49 Tr Tr Tr 1 53	1 Tr Tr Tr Tr 1 28 Tr		
71 72 73 74 75 76 77 78 79	J038 J039 G030 K023 K025 P027 Y039 G025 Y041 K026		35 67 50 52 59 21 5 75 10	19 4 11 9 9 28 76 2 60 3			40 27 34 29 24 12 14 3 23	Tr	Tr					Tr Tr	Tr Tr Tr Tr Tr Tr Tr				1 Tr 1 1 1 Tr 2 Tr	Tr Tr Tr 2 1 2 Tr	1 Tr 1 2 3 Tr Tr 1 1		1 1 5 3 Tr Tr 4 Tr 9		Tr Tr Tr 3 Tr Tr Tr Tr	Tr Tr Tr 5 Tr Tr Tr Tr Tr		1 Tr 1 1 26 4 9 3	1 1 1 Tr 1 Tr 2 Tr 2		
81 82 83 84 85 86 87 88 89	P010 G026 K022 J033 N019 K011 K010 C031 N067 P004		59 77 58 65 56 26 64 16 24 26	13 6 10 5 2 19 8 54 7 46			22 3 14 8 2 52 27 21 6 7		Tr		Tr			Tr	1 Tr Tr Tr 1 Tr 1				Tr Tr Tr 1 1 Tr Tr	Tr 2 1 1	Tr 1 5 6 22 Tr Tr 34 3	Tr Tr	2 2 5 9 1 Tr Tr 11 4		Tr Tr	Tr Tr Tr Tr Tr Tr Tr		2 10 10 5 7 Tr Tr 8 12 5	1 1 3 1 Tr Tr Tr 6 2		
91 92 93 94 95 96 97 98 99	C019 C017 K005 P075 P076 P070 P071 J056 G055 C057		63 46 20 10 17 8 14	21 22 40 3 2 9 26 8 9		Tr Tr	10 Tr 6 6 9	Tr Tr Tr	Tr	Tr				Tr Tr Tr Tr Tr	Tr Tr 2 2 Tr 1 2 14 4				Tr Tr Tr 1	Tr Tr Tr		Tr Tr	1 3 3 Tr Tr Tr		Tr Tr Tr	1 1 Tr Tr Tr Tr 22			Tr Tr 3 2 3 3 Tr Tr		

Ser. No.	Sample No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenite	Leucoxene	Rutile	Brookite	Anatase	Cassiterite	Scheelite	Pyrite	Goethite	Chalcopyrite	Bornite	Olivine	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Monazite	Quartz	Plagioclase	Clastics	Calcite
101 102 103 104 105 106 107 108 109	K051 K052 C056 K056 K050 K039 N083 N081 N082 K049	Tr	33 25 17 23 41 64 40 47 43 35	35 56 21 36 3 1 2 3 30 41	103	îr Tr	8 2 12 33 32 8 3 29 18 13	Tr Tr Tr Tr	Tr Tr Tr	8	Tr Tr	0	03	Tr 1 1 Tr Tr Tr	14 11 Tr 2 1 2 Tr Tr	0		6 2 Tr 2 4 3 1 4	Tr Tr Tr Tr Tr 1 Tr	Tr 2 3 Tr 10 8 26 9 1 1	2 Tr Tr 6 3 12 6 2 Tr	Tr Tr)		Tr Tr Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr Tr		7 2 46 3 2 7 2 Tr 1 5	5 Tr Tr Tr 3 10 2		Tr Tr
111 112 113 114 115 116 117 118 119	N092 K047 K048 N096 Y063 Y064 P053 P052 K045 K046		4 21 40 40 67 69 18 39 80 30	83 1 19 21 21 4 43 33 1 52		Tr	12 12 33 29 2 8 22 4 18 2	Tr Tr Tr	Tr Tr 1	Tr	Tr			Tr Tr Tr Tr	Tr Tr 2 Tr 3 1 2 Tr Tr			Tr 1 1 2 4 Tr 5	Tr Tr Tr Tr 3	Tr 1 2 Tr 2 Tr 2 Tr 1	Tr 65 4 7 1 1 Tr 4 1 8	Tr	Tr•	Tr	Tr Tr 2 Tr Tr Tr Tr Tr	Tr Tr Tr Tr Tr		Tr Tr Tr 1 9 11 Tr Tr	Tr Tr Tr 2 2 Tr Tr		
121 122 123 124 125 126 127 128 129 130	P051 P050 J048 J049 Y046 J053 P048 J047 J046 J045		17 36 66 48 19 32 62 61 58 62	5 5 13 42 56 38 7 5 16	Tr		3 2 6 1 16 14 2 3 5	Tr Tr Tr	Tr Tr					Tr	Tr 1 Tr Tr 1 1 1			3 1 1 Tr 3 2 1 1	2 2 3 3 2 11 8 6 2	Tr Tr 1 1 Tr Tr	2 1 2 Tr 9 10 2				Tr Tr Tr Tr Tr Tr 1	Tr Tr 1 Tr Tr Tr		65 50 7 3 2 4 2 5 4 2	Tr Tr 1 2 6 4 6 6		
131 132 133 134 135 136 137 138 139	J044 K033 K032 P028 Y070 K034 P043 P044 P029 P037		56 56 77 62 57 62 56 95 56	2 10 11 6 17 3 5 1 12 38			16 9 10 5 6 16 4 8 20		Tr Tr Tr Tr Tr						Ir Ir Ir Ir Ir Ir Ir			1 2 Tr Tr Tr 2 Tr	5 1 8 4 3 2 Tr 6	Tr Tr Tr I Tr Tr	19 3 1 1 6 1 17		Tr 1 Tr 1		Ir Ir Ir Ir Ir Ir	I Tr Tr Tr		Tr 5 Tr 1 5 1 Tr Tr 1 Tr	1 12 1 11 6 21 3 Tr 7		
141 142 143 144 145 146 147 148 149	P036 Y045 N021 K029 J028 G010 G005 K020 K019 Y022		19 53 59 56 39 25 31 50 44 17	55 29 3 5 5 10 6 7			25 13 10 12 35 65 29 10 12 36		Tr Tr						Tr Tr Tr Tr Tr Tr			I Tr Tr Tr 1 Tr	1 2 4 5 7 1 13 10 10	Tr 1 Tr Tr 1 Tr 1	Tr Tr 3 8 5 Tr 9 12 22 Tr		Tr Tr 2 Tr		Tr Tr	Tr Tr		Tr Tr Tr 2 Tr 1 1	Tr 2 20 14 7 3 6 10 2 Tr		

Ser. No.	Semple No.	Native gold	Magnetite	Chromite	Spinel	Hematite	Ilmenitë	Leucoxene	Rutile	Brookite	Anatase	Cassiterite	Scheelite	Pyrite	Goethite	Chalcopyrite	Bornite	Olivine	Augite	Hypersthene	Hornblende	Actinolite	Clinozoisite	Tourmaline	Garnet	Zircon	Monazite	Quartz	Plagioclase	Clastics	Calcite
151 152 153 154 155 156 157 158 159 160	K027 J015 J022 J023 K018 K017 C023 G017 G004 G003		45 15 40 12 53 29 61 38 Tr 33	46 57 16 68 32 19 7 49 8			4 18 9 19 14 20 2 13 Tr 26	Tr	Tr Tr Tr		Tr			Tr	Tr Tr Tr Tr Tr Tr			Tr Tr 1	1 3 18 Tr Tr 17 19 Tr Tr 3	1 1 Tr Tr 2	1 2 2 Tr 2 1	Tr 2	1 2 Tr Tr Tr		Tr Tr	Tr Tr Tr		Ir 1 2 1 2 Tr 92 5	2 10 Tr 10 6 Tr Tr 9		
161 162 163 164 165 166 167 168 169	G016 Y014 P002 G002 K009 C010 Y009 P001 G001 Y003		Tr 76 9 16 39 14 79 10 19 53	74 4 50 32 5 Tr 6 6 28 28			Tr 16 10 31 40 20 11	I Tr Tr Tr	Tr Tr Tr Tr		1 3 Tr			Tr Tr Tr	9 Tr Tr Tr Tr Tr			Tr 2	3 4 10 55 2 19 2 Tr	Tr Tr Tr Tr	Tr 4 Tr 1 Tr		Tr 1		Tr Tr Tr Tr Tr	Tr Tr Tr Tr		16 Tr 21 2 Tr 1 Tr 7	Tr 1 Tr 11 2 5 1 58 13 6		
171 172 173 174 176	Y001 K004 J006 J001 C003	Tr Tr	66 52 55 14 82	16 29 27 58 13			18 10 2 2 3		Tr Tr						Tr Tr Tr				Tr 1 Tr 3 Tr	Tr 1 I Tr	Tr Tr 2 Tr	Tr Tr	Tr		Tr Tr Tr Tr	Tr Tr Tr		Tr 1 3 4 Tr	Tr 6 13 16 2		

Analytical results of rock geochemical samples in the Segama area

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List of soil geochemical sample in the Segama area

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Color	œ. °. °. °. °. °°. °°. °°. °°. °°. °°. °	Y. Y. Y. Y. Y. Y. Y. Y. B.	Y.B. Y.B. K.B. H. Y.B. H. Y.B. H. H. B. H. H. B. H. H. B. H. B. H. H. B. H.	
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Rock of Basement	ultramafic rock ultramafic rock ultramafic rock ultramafic rock ultramafic rock peridotite peridotite peridotite peridotite	basic rock basalt ultramafic rock ultramafic rock basalt ultramafic rock ultramafic rock peridotite peridotite serpentinite	peridotite ultramafic rock peridotite ultramafic rock serpentinite peridotite peridotite basic rock serpentinite basic rock	*2Grain size: Sandy *4Humidity: Dry (D),
1/50,000 Topo. Sheet	Silam Silam Silam Silam Silam Silam Silam Silam	Silam Silam Silam Silam Silam Silam Silam Silam Silam	Silam Silam Silam Silam Silam Silam Silam Silam Silam	or none (R) (M), Flat (F)
nates E	4788.80 4789.20 4789.20 4789.70 4790.00 4791.30 4791.75	4796.15 4798.00 4799.45 4799.35 4801.85 4802.05 4802.05 4803.10 4803.10	288888888	(F), Rare Moderate
Coordinates N E	1439.90 1439.95 1438.85 1439.10 1445.25 1445.10 1450.10 1445.10	1444.30 1445.70 1446.10 1445.20 1444.90 1444.90 1444.90 1445.60	スポスコ しょうじゅう	7 (M), Few Steep (S),
Sample No.	G021 G020 G018 G019 C028 C028 C029 P034 C026 P033	Y013 Y015 Y016 Y018 Y007 Y008 Y006 Y005	K001 F008 K002 F007 N031 K006 K006 F005 J004 P006	''Gravel: Many (M); ''Topography: Steep
Ser. No.	31 32 33 33 33 34 35 35 40 40	44 44 45 47 48 48 49 50	00000000000000000000000000000000000000	* 'Gra' * Top

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	Rock of Basement	serpentinite serpentinite dunite serpentinite serpentinite serpentinite serpentinite serpentinite serpentinite serpentinite	peridotite peridotite serpentinite serpentinite	<pre>**Grain size: Sandy (S), **Humidity: Dry (D), Wet</pre>
	1/50,000 Topo. Sheet	Silam Silam Silam Silam Silam Silam Silam Silam	Silam Silam Silam Silam	or none (R) (M), Flat (F)
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	nates E	4808. 25 4808. 75 4808. 75 4808. 35 4809. 15 4809. 35 4809. 30 4809. 90 4809. 90	4810.40 4810.50 4811.90 4811.65	(F), Rare, Moderate
ଝା	Coordinates N E	1447.05 1445.75 1445.75 1448.25 1449.90 1448.55 1448.55 1448.55 1448.55	1449.10 1449.40 1450.70 1450.45	(M), Few Steep (S),
Area: Segama Area	Sample No.	J005 J007 J008 J008 J003 J003 N027 N028	C005 C004 N025 N026	*'Gravel: Many (M), Few *'Topography: Steep (S)
Area: S	Ser. No.	62 63 64 65 67 67 69 69 70	72 72 73 74 74	*'Grav

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Analytical results of soil geochemical samples in the Segama area

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Ser. No.	Sample No.	A1 %	Co	Cr	Fe %	Ni	Pt ppb
1	C004	1. 43	243	4471	3, 20	2208	10
	C005	1. 13	280	4628	3.07	2129	iŏ
2	K001	1.89	30	372	1, 25	162	5>
4	K002	1.37	116	1836	1. 74	1302	5
5	J002	. 97	155	3291	2. 20	1874	5
6	J003	1. 12	115	2046	1. 96	1821	5
7 8	J004 J005	1, 90 59	36 463	116 4892	1. 53 2. 52	41 2142	10 30
9	J007	.31	501	3312	4.84	2083	25
10	J008	1.68	57	565	1, 62	163	10
11	P005	2.61	52	347	2. 15	121	5
12	P006	. 89	141	5745	1.87	1501	15
- 13 14	K006 K007	. 66 1. 66	161 32	3364 245	1. 77 1. 28	1726 153	15 5>
15	Y005	. 47	230	3509	2, 49	2351	10
16	Y006	, 51	219	4232	2.98	3083	15
17		. 44	365	6068	3. 33	3705	15
18	800Y	. 45	221	6734	1.57	1314	15
19 20	P007 P008	. 65 . 73	389 446	9920 17305	2. 55 2. 13	2710 2093	25 15
21	Y011	1. 18	110	2000	2. 33	1401	5
22	Y013	1, 45	95	1719	1.83	961	4
23	Y015	. 49	160	2896	2. 22	2295	5
24	Y016	. 55	201	3457	1. 73	1460	5
25	Y018	. 62	236	4350	2.35	2434	-10
26 27	G006 G007	2. 09 2. 27	32 42	119 188	1. 33 1. 84	42 61	5> 5>
28	P012	2. 02	38	181	1, 50	- 59	5>
29	P013	. 60	288	5250	2.07	2130	15
30	Y019	2.04	81	518	2. 35	138	5>
31 32	Y023	2. 39 2. 02	94	434 143	2. 55	155	5> 5>
33	K013 C025	. 49	46 224	4790	1.86 2.58	54 2260	10
34	C026	. 53	262	3024	2.84	3132	25
35	C028	1. 22	197	3258	2. 79	1790	15
36	C029	1. 14	181	3094	2. 55	1544	10
37	J016	1, 71	223	3412	3, 52	1792	20
38 _. 39	J017 J018	2. 01 2. 05	114 101	1360 1205	2. 84 2. 66	1063 941	5 5
40	Y029	1. 40	. 27	233	1. 17	78	5>
41		2. 31	58	329	2, 14	114	5>
42	G018	2. 99	56	756	1. 32	364	5
43	G019	1. 68	137	2027	2. 46	1709	5
44	G020.	. 90	· 487 718	8815	4. 14 2. 53	2971 2457	20 20
45 46	G021 P034	. 82 1. 65	83	5809 1160	1. 98	346	20 5>
47	P033	1. 53	68	813	1. 97	277	10
48	C038	-1.71	27	230	1, 04	181	5
49	C043	1. 54	. 33	223	1. 36	94	5>
50 51	N025	. 52 . 53	185 158	4500	3. 12 3. 07	3328 3700	15 10
52	N026 N027	. 77	168	3623 4108	3. 33	3322	10
53	N028	. 49	169	3971	3. 15	3516	-15
54	N029	. 57	173	4042	3. 10	3321	10
55	N031	1, 52	.26	78	1.01	36	5>
56	N032	2. 43 1. 86	36 213	233 3036	1. 93 3. 27	152 2126	5 10
57 58	N033 N034	3. 07	. 50	504	3. 72	192	5
59	N035	1. 30	255	9336	8. 03	5313	15
60	N036	. 54	654	6680	3. 92	4098	10
61	N037	. 48	195	4770	3. 15	2513	20
62	N038	38	300	3476	3.88	4490	30
63 64	N039	2. 04 . 47	35 223	204 1388	1, 61 4, 16	74 1946	5> 20
65	N040 N050	1, 80	380	5873	4. 16 7. 48	3725	20 35
66	J042	2, 24	69	358	2.64	78	5>
67	J043	2. 13	70	270	2. 53	61	5>
68	P049	1. 16	297	4035	2.82	1953	20
69	P054	1.89	41	159	1. 79	61	5
70 71	P058	1. 52 . 88	36 13	257 156	1, 43 , 68	101 60	5> 5>
72	P059 P060	1.30	24	177	1.02	74	5>
73	P061	1. 38	23	185	1. 10	75	5>
74	Y054	1,04	52	693	1. 13	322	5>

List of sample for stream sediment geochemical survey in the Semporna area

	Arrea	Top.		Sungai	Sungas	Sungai	Sumai	Sungai	Sungai	Sungai	Sungai	Sungai	Sungai
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	Geology	2	eiltefane	1	1	1	1.	siltstone	siltstone	siltstone	siltstone	s.s./silt.	
II.	Name of	Stream	1	S. Guktuam	S. Gulkuza	S. Gukuzm	S. Gukuza	ľ	1	j	1	S. Guktuam	
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|                     | Geol.<br>Unit            | P.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P.K.K.<br>P | Geol.<br>Unit                                                  | 참<br>참<br>합<br>합<br>합<br>합                                                   | 주었었었<br>점점점점점                                                                     | 7,X7                                     |              | Geol.<br>Unit              | 22.22.22<br>22.22.22                                                         | P.Ks<br>P.Ks<br>P.Ks                                                        | P.Km<br>P.Km<br>P.Km<br>P.Km                                                                     | y (4)                                                                                                              |
|                     | Geology                  | siltstone mudstone siltstone siltstone siltstone siltstone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Geology                                                        | mudstone<br>mudstone<br>mudstone<br>mudstone                                 | mudstone<br>mudstone<br>mudstone<br>mudstone                                      | mudstone<br>siltstone                    |              | Geology                    | sandstone<br>sandstone                                                       | 1111                                                                        | siltstone                                                                                        | (4)<br>ined(3), claye                                                                                              |
| PBh                 | Name of<br>Stream        | S. Tiagau<br>S. Tiagau<br>S. Lussong<br>S. Tiagau<br>S. Kalabakan<br>S. Kalabakan<br>S. Tiagau<br>S. Tiagau<br>S. Tiagau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Name of<br>Stream                                              | S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan | S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan<br>S. Kalabakan      | S. Kalabakan<br>S. Tiagau                |              | Name of<br>Stream          |                                                                              | Inbok<br>Inbok<br>Inbok<br>Inbok                                            | Inbok<br>Inbok<br>Inbok<br>Inbok<br>Inbok                                                        | erate(3), fast(4)<br>d(2), fine grain                                                                              |
| Grid:               | Topographic<br>Map Sheet | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Area Grid: PB;<br>Topographic<br>Map Sheet                     | Tiagau<br>Tiagau<br>Tiagau<br>Tiagau<br>Tiagau                               | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau | Sungai Tiagau<br>Sungai Tiagau           | sa Grid: PCf | straphic<br>Sheet          |                                                                              | Sungai Hagau S.<br>Sungai Tiagau S.<br>Sungai Tiagau S.<br>Sungai Tiagau S. | Sungai Tiagau S.<br>Sungai Tiagau S.<br>Sungai Tiagau S.<br>Sungai Tiagau S.<br>Sungai Tiagau S. | none(0), puddle(1), slow(2), moderate(3), fast(4) coarse grained(1), modium grained(2), fine grained(3), clayey(4) |
| krea: Semporna krea | Sample<br>No.            | PBh51 S PBh52 S PBh53 S PBh53 S PBh54 S PBh56 S PBh56 S PBh56 S PBh56 S PBh56 S PBh56 S PBh59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Sample<br>No.                                                  | PBJ01 Se<br>PBJ03 Se<br>PBJ03 Se<br>PBJ04 Se<br>PBJ05 Se                     |                                                                                   | PBjil Su<br>PBji2 Su                     | 된            |                            |                                                                              |                                                                             | Pofil Sungai<br>Pofil Sungai<br>Pofil Sungai<br>Pofil Sungai<br>Pofil Sungai                     | none(0), puddle(1)<br>coarse grained(1),                                                                           |
| Arren: Se           | Ser. S                   | 216<br>217<br>218<br>219<br>220<br>221<br>223<br>223<br>223<br>223<br>223<br>223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Area: Semporna<br>Ser. Sample<br>No. No.                       | 225<br>226<br>227<br>228<br>229                                              |                                                                                   | 235 P                                    |              |                            | 22222222222222222222222222222222222222                                       |                                                                             | 247 PC<br>248 PC<br>249 PC<br>250 PC<br>251 PC                                                   | *1: none(<br>*2: coars                                                                                             |
| امر                 | Color                    | ம்ப்பே ம்ம்                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                | ත් ජි ස් ස් ස්                                                               | <b>6</b> 6                                                                        | മ്മ്മ്                                   |              |                            |                                                                              | <del>T</del>                                                                |                                                                                                  | 7                                                                                                                  |
| Page 5              | Size Cc                  | よろろろろイとろんと                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ei>∴cic;                                                       | 720 4 6 7<br>3 12 13 13 13 13 13 13 13 13 13 13 13 13 13                     | 800 B                                                                             | ***                                      | 00 0         |                            | 8 4 5 8 5<br>5 6 6 9 8 8<br>8 8 8 8                                          | m > - a c                                                                   |                                                                                                  | o l                                                                                                                |
| į                   | Flow                     | H000H000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ~~~~                                                           | -10m-10m                                                                     | 60000                                                                             | 20000                                    | 2 20         |                            | N                                                                            | 1                                                                           | 000400                                                                                           | ,                                                                                                                  |
|                     | Width<br>(m)             | ინი                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 00000                                                          | 5.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                                 | 05000                                                                             | 4 ci | 1.0          | 2.0                        | 0.0000<br>0.0000<br>0.0000                                                   | 3.0                                                                         | 2.000000                                                                                         | -                                                                                                                  |
|                     | Order                    | 222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |                                                                              |                                                                                   |                                          |              | laaa                       | нычинч                                                                       |                                                                             | en en en en en                                                                                   |                                                                                                                    |
|                     | Geol<br>Unit             | **************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7.7.7.9<br>5.5.5.5.2                                           | <u> </u>                                                                     | 22227<br>22227                                                                    | NaKp<br>NaKp                             | P.K.         | 주 <u>주</u><br>참 참 참        | 72 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                       | Na Kp<br>Na Kp<br>Na Kp                                                     | 2% % Z Z Z Z                                                                                     | €                                                                                                                  |
|                     | Geology                  | siltstone siltstone silt./s.s. siltstone siltstone siltstone siltstone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | mud./s.s.<br>siltstone<br>siltstone<br>siltstone               | siltstone<br>siltstone<br>siltstone                                          | siltstone<br>siltstone                                                            | 1111                                     | siltstone    | 111                        | siltstone<br>siltstone                                                       | audstone                                                                    | siltstone<br>mulstone<br>mulstone                                                                | (4)<br>tined(3), claye                                                                                             |
| න්<br>              | Name of<br>Stream        | S. Tapic S. Tapic S. Tapic S. Tagau S. Tiagau S. Luasong S. Luasong S. Luasong S. Luasong S. Luasong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | S. Luzsong<br>S. Tiagau<br>S. Tiagau<br>S. Tiagau<br>S. Tiagau | S. Luasong S. Tiagau S. Bakandat S. Bakandat S. Luasong                      | S. Luesong S. Bakardat. S. Bakardat. S. Luesong                                   |                                          |              |                            | S. Lussong S. Lussong S. Lussong S. Suragas S. Suragas S. Suragas S. Suragas | . Kalabakan<br>. Kalabakan<br>. Sumegas<br>. Sumegas                        | S. Luasong S. Sunagas S. Sunagas S. Tiagan S. Tiagan S. Tiagan                                   | derate (3), fast<br>ed (2), fine gra                                                                               |
| a Grid: PBh         | Topographic<br>Map Sheet | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | zai Tiagau<br>zai Tiagau<br>zai Tiagau<br>zai Tiagau           | pi Tiagu<br>pi Tiagu<br>pi Tiagu<br>pi Tiagu<br>pi Tiagu                     | lagau<br>lagau<br>lagau<br>lagau                                                  | iagau<br>iagau<br>iagau                  | Tiagan       | Tiagau<br>Tiagau<br>Tiagau | Liegau<br>Tiagau<br>Tiagau<br>Tiagau<br>Tiagau                               | Tiagau<br>Tiagau<br>Tiagau<br>Tiagau                                        | fiagu<br>Tiagu<br>Tiagu<br>Tiagu<br>Tiagu                                                        | ), slow(2), m                                                                                                      |
| 월                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                |                                                                              | Sungai 7<br>Sungai 7<br>Sungai 7<br>Sungai 7<br>Sungai 7<br>Sungai 7              | 5 Sungai<br>8 Sungai<br>9 Sungai         |              |                            | Sugai<br>Sugai<br>Sugai<br>Sugai<br>Sugai                                    |                                                                             | Surgai<br>Surgai<br>Surgai<br>Surgai                                                             | puddle<br>rained (                                                                                                 |
| E                   | <u>a</u>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                | 22223                                                                        | 22222                                                                             | 24444                                    | 2   22       | ကကကောင်                    | 200000                                                                       | 4 4 3 4                                                                     | 22222                                                                                            | L - 50                                                                                                             |
| ~ / J               |                          | 166 PBh01 167 PBh02 169 PBh03 170 PBh06 171 PBh06 172 PBh07 173 PBh07 174 PBh07 177 PBh07 177 PBh07 177 PBh07 177 PBh07 177 PBh08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 176 PBh11<br>177 PBh12<br>178 PBh13<br>179 PBh14<br>180 PBh15  | PBh16<br>PBh17<br>PBh18<br>PBh19                                             | 136 PBh21<br>187 PBh22<br>188 PBh23<br>189 PBh24<br>190 PBh25                     |                                          |              | Pen33                      | 201 PBh36<br>202 PBh37<br>203 PBh37<br>204 PBh38<br>204 PBh38                | PBh41<br>PBh42<br>PBh43<br>PBh44                                            | 210 PBh45<br>212 PBh46<br>212 PBh47<br>213 PBh48<br>214 PBh48<br>215 PBh48                       | one (0                                                                                                             |

Size Color

Size Color

FIO.

Flow Size Color

\*2: coarse grained(1), modium grained(2), fine grained(3), clayey(4)

|                |                          | ٠                                                                                 |                                |
|----------------|--------------------------|-----------------------------------------------------------------------------------|--------------------------------|
| 7 320          | Size Color               | ****                                                                              | B.Y.<br>8.Y.                   |
| Sage           | Size                     |                                                                                   | 0°                             |
| i              | Flow                     | 24624                                                                             | 0161                           |
|                | Width<br>(m)             | 4.0.6.0.0<br>0.0.0<br>0.0.0                                                       | 1.0                            |
|                | Order                    | 12                                                                                | 2                              |
|                | Geol.<br>Unit            | P. Kn<br>P. Kn<br>P. Kn<br>P. Kn                                                  | P.Km<br>P.Km                   |
|                | Geology                  | [                                                                                 | []                             |
| 5              | Name of<br>Stream        | S. Inbok<br>S. Inbok<br>S. Inbok<br>S. Inbok<br>S. Inbok                          | S. Inbok<br>S. Inbok           |
| Area Grid: Put | Topographic<br>Map Sheet | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau | Sungai Tiagau<br>Sungai Tiagau |
| Semporna Area  | Sample<br>No.            | PCF16<br>PCF17<br>PCF18<br>PCF19<br>PCF20                                         | PCf21<br>PCf22                 |
| 4 43:          | Ser.                     | 252<br>253<br>254<br>255<br>255<br>256                                            | 257<br>258                     |

Page 8 Size Color

Flow

Hidth (m)

Order

sal. Salt

Geology

Name of Stream

Topographic Map Sheet

Ser. Sample No. No.

Grid: PC

Vrca: Semporna Area

22002

9.00.00

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11111

Geminchau Geminchau Luzsong Geminchau Geminchau

Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau

PCg36 PCg37 PCg38 PCg38 PCg40

294 295 295 297 297 444444444

siltstone

Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau

88888888888888

Grid: PCE

Area: Semporna Area

siltstone siltstone siltstone

Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau Sungai Tiagau

303 310 312 313 313 313 315

|                          |                                                                                                                                      | -                                                                                                                                    | <u></u>                                                                                                                                                               |                                                                                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Color                    | と                                                                                                                                    | ಸ್ವನ್ನೆ ಸ್ಥನ್ನೆ ಸ್ಥನ್ನೆ<br>ಪ್ರಸ್ಥೆ ಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ್ರಪ                                                          | ಸಸಸಸ್ ಪಪಪಡ<br>ಪಪಡೆದ ಪ್ರಸ್ತಿ ಪ್ರಪ್ರೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನೆ ಪ್ರಶ್ನ                                                    | ***<br>***                                                                        |
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| FIOW                     | N-1-200000000                                                                                                                        | ~~~~~~~~~~                                                                                                                           | 24222222                                                                                                                                                              | 4-000                                                                             |
| Width<br>(m)             | 2.00<br>2.00<br>3.00<br>3.00<br>2.00<br>3.00                                                                                         | 19494999999999999999999999999999999999                                                                                               |                                                                                                                                                                       | 0 0 0 0 0<br>0 0 0 0 0                                                            |
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| Geol.<br>Unit            | P.Kh<br>P.Ki<br>P.Ki<br>P.Ki<br>P.Kh<br>P.Kh<br>P.Kh                                                                                 | <u>ૡૡઌૡૡૡ</u><br>ឨឨឨឨឨឨឨឨឨឨឨឨ                                                                                                        | P. R.                                                                                                                             | 27.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.                                           |
| Geology                  | siltstone<br>siltstone<br>siltstone<br>siltstone<br>siltstone                                                                        | siltstone                                                                                                                            | sandstone<br>siltstone<br>sandstone<br>siltstone<br>siltstone                                                                                                         | siltstone                                                                         |
| Name of<br>Stream        | S. Inbok                          | S. Geninchau S. Inbok S. Inbok S. Inbok S. Inbok S. Geninchau S. Geninchau S. Geninchau S. Geninchau S. Geninchau                    | S. Geminchen S. Geminchen S. Geminchen S. Geminchen S. Geminchen S. Brantsian S. Lussong | S. Luasong S. Luasong S. Luasong S. Geninchau S. Geninchau                        |
| Topographic<br>Map Sheet | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau | Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan<br>Sungai Tiagan | Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau<br>Sungai Hagau                          | Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau<br>Sungai Tiagau |
| Sample<br>No.            | PCe01<br>PCe02<br>PCe03<br>PCe04<br>PCe05<br>PCe07<br>PCe09<br>PCe09                                                                 | PCE12<br>PCE13<br>PCE14<br>PCE15<br>PCE15<br>PCE16<br>PCE17<br>PCE18                                                                 | PCg21<br>PCg22<br>PCg23<br>PCg24<br>PCg25<br>PCg27<br>PCg27                                                                                                           | PC#32<br>PC#32<br>PC#34<br>PC#34                                                  |
| Ser.<br>No.              | 259<br>260<br>261<br>262<br>263<br>265<br>265<br>265<br>265<br>265<br>265                                                            | 269<br>271<br>272<br>273<br>273<br>274<br>275<br>276<br>277                                                                          | 279<br>280<br>281<br>283<br>284<br>285<br>285<br>285<br>285<br>285                                                                                                    | 283<br>291<br>293<br>293<br>293                                                   |

| Topographic | Name of    | Geology    | Geo I                                                                                       | Order | Width    | 5          | 31.2e      | s<br>S    |
|-------------|------------|------------|---------------------------------------------------------------------------------------------|-------|----------|------------|------------|-----------|
|             | Streem     |            | Unit                                                                                        |       | Ê        | -          | :          |           |
|             | S. Luasong | s.s./silt. | P481                                                                                        | 2     | 4.0      | -          | 4          | ,<br>89   |
|             | S. Luesong | 1          | Z.                                                                                          | e2 .  | 6.0      |            |            | ജ്        |
|             | S. Liasong | !          | Z.                                                                                          | 1     | 4        | ر،         |            | മ്        |
|             |            | 1          | P.KI                                                                                        | 1     | 3.0      | 0          |            | പ്പ       |
|             |            | ]          | P. K.                                                                                       |       | 3.0      | 77         | 43*        | і<br>і.   |
|             |            |            | <br>13.                                                                                     |       | 3.0      | ~          |            | κi<br>Σ   |
|             |            | ĺ          | 7.                                                                                          |       | 2.0      | 7          |            | ر<br>6    |
|             | S. Maying  | siltstone  | P.K                                                                                         | _     | 3.0      | ~          | <b>6</b> 2 | പ്പ       |
|             |            | 1.         | 7.7                                                                                         |       | 2.0      | 7          | м          | G,        |
|             |            | shale      | P.K1                                                                                        |       | 3.0      | 7          | 47         | ഷ്        |
| -           | S. Nawing  | siltstone  | PAKI                                                                                        | I     | 6.0      | 3          | 2          | Y.B.      |
|             | S. Mawing  |            | P.K                                                                                         |       | 1.5      | ۲۷         |            | Y. B.     |
|             |            | 1          |                                                                                             | -     | 4.0      | 2          | ო          | က်<br>>-: |
| _           | S. Wawing  | siltstone  | P.K.                                                                                        | N     | 7.0      | ~          | 74         | с,<br>В,  |
|             |            | siltstone  | 7.                                                                                          |       | 2.0      | có.        | 67         | mì        |
|             |            | 1          | Z.                                                                                          | ~     | 4.0      | ~          | <b></b> 1  | ය         |
|             |            | 1          | 7<br>12<br>12<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13<br>13 | ~     | ري<br>دي | <i>(-)</i> | м          | ൾ         |
|             |            | 1          | P.K                                                                                         | -     | 3.0      | 7          | н          | in<br>L   |
|             |            | [          | S.                                                                                          | _     | 63       | ~          |            | κi<br>Ή   |
|             | S. Tiagra  | shale      | 7.<br>17.                                                                                   | ~     | 1.0      | 7          | 4          | ഷ്        |

\*1: none(N), pudhle(I), slow(2), moderate(3), fast(4)
\*2: coarse grained(I), medium grained(2), fine grained(3), clavey(4)